

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**B.Sc. (OPERATION THEATRE TECHNOLOGY) DEGREE  
EXAMINATION – August 2018  
Third Year**

**OPERATION THEATRE TECHNOLOGY - ADVANCED**

Time: Three hours

Maximum: 75 marks

**I. Write an Essay on any ONE of the following: (1 x 20 = 20)**

1. Define Sterilization, name the different type of sterilization techniques and write autoclaving method in detail for thoracic surgery.
2. What are the basic common modes of invasive mechanical ventilation?

**II. Write short notes on any TWO of the following: (2 x 10 = 20)**

3. Explain the patient position for spine surgery.
4. What is shock? Mention different types of shock and its management.
5. Write down the six steps of Hand washing.
6. Describe the patient preparation for knee replacement surgery.

**III. Write short answers on any SEVEN of the following: (7 x 5 = 35)**

7. Define thyroidectomy. List the condition for thyroidectomy.
8. Briefly write about transplantation.
9. List the suture materials should keep under ready for any emergency surgery.
10. What is lithotomy position? When does used in operation theater?
11. Write importance of Ambu bag and Bain's circuit.
12. Write briefly role of operation theater technician during Endotrachel intubation.
13. Need of pulse oximeter in post-operative care.
14. List the suture material needed for the plastic surgery.
15. What are the difference between syringe pump and infusion pump?
16. What is Glasgow Scale for coma?